WBS No:
 1DAC01

 Activity ID:
 1DC0110010

Rocky Flats Closure Project Baseline Cost and Basis of Estimate

Proiect WBS Filter Baseline Devl 1DAC

Activity Filter * Starts In FY

WBS No: 1DAC0	WBS No: 1DAC01 Title: B776/777 SNM Holdup Removal												
Activity ID: 1DC0	Description: B776/777 PA Closure FY00							Cost Risk	2 Schedule R	?isk 3			
Line Item	Description	Quantity	Units	BOE	Labor	Labor Hours	Labor Cost	Materials/ Sub	Contingency	Total Prime	Burden Cost	Total Cost	
				Type	Hours/Unit	Total	Total	Cost	& Escalation	Cost			
C01	Modification Packages	3.00	Mod Pkas	HC	127	382	12.638	11.335	0	23.974	6.141	30.115	
P01	IWCP Implementation (Davis Bacon Covered)	2.00	IWCP Pkas	HC	1.205	2.411	81.559	10.000	0	91.559	39.633	131.192	
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	1.530	1.530	0	1.530	
Total for Activity 1DC0110010:						2.793	94.197	21.335	1.530	117.063	45.774	162.837	

Line Item C01 - Modification Packages

BOE

Historical Data Source - The historical data is from the FY98 actual costs for technical support activity. These costs have been factored to the line item level based on FY99 line item to total technical support quotients. The detailed factoring spreadsheet can be found in B776/777 FY99 Project Summary Document - Rev 0.

Item Desc - Repairs to VSS/Non-VSS systems that cannot be accomplished using a standard work package (SWP). This work requires engineering review example: Work requiring breech of Zone 1 containment. (each)

Resources

s	Cost Element	Skill	Department	Curve	Quantity Units
751	OVERTIME BASE & PRE.	C020 ELECTRICIANS	C211S Electrical Maintenance	Linear	26.64 Hours
Factor	s 36 Hours	0.74 January 2000 Earned Value	Factor		
751	OVERTIME BASE & PRE.	C020 ELECTRICIANS	C211S Electrical Maintenance	Linear	1.60 Hours
Factor	s 2.16 Hours	0.74 January 2000 Earned Value	Factor	-	
751	OVERTIME BASE & PRE.	E050 ENVIRONMENTAL ENGINEERS	K399S Building 776 Project	Linear	0.37 Hours
Factor		0.74 January 2000 Earned Value			
751	OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	K399S Building 776 Project	Linear	3.70 Hours
Factor		0.74 January 2000 Earned Value		1	
751	OVERTIME BASE & PRE.	P030 BUYERS PROCUREMENT AND CON	C210S Facilities Mgmt & Maintenance	Linear	4.44 Hours
Factor		0.74 January 2000 Earned Value		T	
751	,		C210S Facilities Mgmt & Maintenance	Linear	0.27 Hours
Factor		0.74 January 2000 Earned Value			
751		P170 OTHER ADMINISTRATIVE & PROFE		Linear	1.48 Hours
Factor		0.74 January 2000 Earned Value			
751		P170 OTHER ADMINISTRATIVE & PROFE		Linear	0.09 Hours
Factor		0.74 January 2000 Earned Value			
751		T050 RADIATION CONTROL TECHNOLIGI		Linear	9.28 Hours
Factor		0.74 January 2000 Earned Value			
751		T050 RADIATION CONTROL TECHNOLIGI		Linear	1.78 Hours
Factor		0.74 January 2000 Earned Value			40.00
751		T060 D&D HAZ REDUC TECH / RISK RED		Linear	13.32 Hours
Factor		0.74 January 2000 Earned Value		1.	13.32 Hours
751		T060 D&D HAZ REDUC TECH / RISK RED		Linear	13.32IHours
Factor 751		0.74 January 2000 Earned Value T060 D&D HAZ REDUC TECH / RISK RED		Linear	0.80 Hours
Factor		0.74 January 2000 Earned Value		Linear	0.80IHOUIS
751		T060 D&D HAZ REDUC TECH / RISK RED		Linear	6.66 Hours
Factor		0.74 January 2000 Earned Value		Lilleal	6.66iHours
751		T060 D&D HAZ REDUC TECH / RISK RED		Linear	0.80 Hours
Factor		0.74 January 2000 Earned Value		Lilleal	0.001110013
751		T060 D&D HAZ REDUC TECH / RISK RED		Linear	26.64 Hours
Factor		0.74 January 2000 Earned Value		Lilloui	20.071110013
751	OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED		Linear	13.32 Hours
Factor		0.74 January 2000 Earned Value		=001	10.021110010
751	OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED		Linear	1.60 Hours
Factor		0.74 January 2000 Earned Value			

Page 1 of 9 6/22/00 9:48:59 PM *OFFICIAL USE ONLY*

WBS No: 1DAC01 Baseline Devl Proiect Rocky Flats Closure Project 1DAC Activity ID: 1DC0110010 WBS Filter **Baseline Cost and Basis of Estimate** Activity Filter Starts In FY 751 OVERTIME BASE & PRE. T060 D&D HAZ REDUC TECH / RISK RED | KD10H | 776 Complex Steelworkers 0.41 Hours Linear Factors 0.56 Hours January 2000 Earned Value Factor T060 D&D HAZ REDUC TECH / RISK RED | KD10H | 776 Complex Steelworkers 751 OVERTIME BASE & PRE 0.80 Hours Linear 0.74 January 2000 Earned Value Factor Factors 1.08 Hours A57 LATA E110 QUALITY CONTROL ENGINEERS K399S Building 776 Project Linear 355.20 Dollars Factors 480 0.74 January 2000 Earned Value Factor Dollars P070 COST ESTIMATORS PLANNERS AN K399S Building 776 Project A57 LATA Linear 1.882.56 Dollars Factors 2544 Dollars 0.74 January 2000 Earned Value Factor A5C SUPPLIES 0000 NONE 1.540.68 Dollars K399S Building 776 Project Linear Factors 2082 Dollars January 2000 Earned Value Factor Line Item P01 - IWCP Implementation (Davis Bacon Covered) Historical Data Source - The historical data is from the FY98 actual costs for technical support activity. These costs have been factored to the line item BOE level based on FY99 line item to total technical support quotients. The detailed factoring spreadsheet can be found in B776/777 FY99 Project Summary Document - Rev 0. Item Desc - IWCP Packages Davis Bacon Covered (each). It is expected that the MAA Closure will require at least five facility modification packages to change the MAA facility centerline, closing access to the tunnels and clkosing access to B707. Cost Element Units Resources Department 59.20 Hours 751 OVERTIME BASE & PRE G010 ADMINISTRATIVE ASSISTANTS K399S Building 776 Project Linear January 2000 Earned Value Factor Factors 80 Hours M010 FOREMEN / TEAM LEADS / GROUP K399S Building 776 Project 1.071.00 Hours 751 OVERTIME BASE & PRE Linear Factors 1071 hours OT 751 OVERTIME BASE & PRE P030 BUYERS PROCUREMENT AND CON K399S Building 776 Project Linear 16.00 Hours Factors 16 Hours Procurement Support P170 OTHER ADMINISTRATIVE & PROFE | C210S | Facilities Mgmt & Maintenance 29.60 Hours 751 OVERTIME BASE & PRE Linear Factors 40 hours per package January 2000 Earned Value Factor 751 OVERTIME BASE & PRE. RADIATION CONTROL TECHNOLIGI KD10H 776 Complex Steelworkers Linear 29.60 Hours Factors 40 Hours 0.74 January 2000 Earned Value Factor A5C SUPPLIES 0000 NONE K399S Building 776 Project 5.000.00 Dollars Linear Dollars in supplies for each DB IWCP 5000 Line Item SYS - Contingency And Escalation BOE Curve Resources Cost Element Skill Quantity Units Department CON CONTINGENCY 0000 NONE ZDEPT No Department Linear 897.47 Dollars Factors 897.474 Dollars ESC ESCALATION 0000 NONE ZDEPT No Department 632.66 Dollars Linear Factors 632.665 Dollars 4 - 4 - 4 D C 04 4 2 0 0 0 Description: FY01 PA Closure Activities 2 Cahadula Piek

ACTIVITY ID. TDC	Description: FTOT PA Closure Activities							Cost Kisk	Z Scheaule F	usk 3		
Line Item	Description	Quantity	Units	BOE	Labor	Labor Hours	Labor Cost	Materials/ Sub	Contingency	Total Prime	Burden Cost	Total Cost
				Type	Hours/Unit	Total	Total	Cost	& Escalation	Cost		
C01	Modification Packages	3.00	Mod Pkas	HC	172	516	17.079	15.318	0	32.397	8.147	40.543
P01	IWCP Implementation (Davis Bacon Covered)	2.00	IWCP Pkas	HC	1.247	2.494	83.907	10.000	0	93.907	40.024	133.931
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	9.330	9.330	0	9.330
	Total for Activity 1DC0112000:						100.986	25.318	9.330	135.634	48.170	183.804

Line Item C01 - Modification Packages

BOE

Historical Data Source - The historical data is from the FY98 actual costs for technical support activity. These costs have been factored to the line item level based on FY99 line item to total technical support quotients. The detailed factoring spreadsheet can be found in B776/777 FY99 Project Summary Document - Rev 0.

Item Desc - Repairs to VSS/Non-VSS systems that cannot be accomplished using a standard work package (SWP). This work requires engineering review example: Work requiring breech of Zone 1 containment. (each)

Resources	Cost Element	Skill	Department	Curve	<i>Ouantity</i>	Units
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	•			

WBS No: 1DAC01 1DC0112000 Activity ID:

Rocky Flats Closure Project Baseline Cost and Basis of Estimate

Proiect WBS Filter Activity Filter Baseline Devl 1DAC

1000112000	Baseline Cost a	and Basis of Estimate	Activity Filter *	Starts In FY *
751 OVERTIME BASE & PRE.	C020 ELECTRICIANS	KD10H 776 Complex Steelworkers		36.00 Hours
Factors 36 Hours				
751 OVERTIME BASE & PRE.	C020 ELECTRICIANS	KD10H 776 Complex Steelworkers	Linear	2.16 Hours
Factors 2.16 Hours				
751 OVERTIME BASE & PRE.	E050 ENVIRONMENTAL ENGINEERS	K399S Building 776 Project	Linear	0.50 Hours
Factors 0.5 Hours		140000 D II II D		
751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	K399S Building 776 Project	Linear	5.00 Hours
Factors 5 Hours 751 OVERTIME BASE & PRE.	P030 BUYERS PROCUREMENT AND CON	U C2109 Excilities Mant & Maintons	ince Linear	6.00 Hours
Factors 6 Hours	1 F030 IBOTERS FROCOREINENT AND CON	V C2105 II aclities Multit & Maintena	liice Liileai	0.001110015
751 OVERTIME BASE & PRE.	P030 BUYERS PROCUREMENT AND CON	N C210S Facilities Mgmt & Maintena	ince Linear	0.36 Hours
Factors 0.36 Hours				
751 OVERTIME BASE & PRE.	P170 OTHER ADMINISTRATIVE & PROFE	C210S Facilities Mamt & Maintena	ınce Linear	0.12 Hours
Factors 0.12 Hours				
751 OVERTIME BASE & PRE.	P170 OTHER ADMINISTRATIVE & PROFE	C210S Facilities Momt & Maintena	ince Linear	2.00 Hours
Factors 2 Hours				
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	I KD10H 776 Complex Steelworkers	Linear	12.54 Hours
Factors 12.539 Hours - Conversion to O				
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	I KD10H 776 Complex Steelworkers	Linear	2.40 Hours
Factors 2.4 Hours 751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD40LL 776 Compley Steelwarkers	Linear	1.08 Hours
751 OVERTIME BASE & PRE. Factors 1.08 Hours	I 1000 ID&D HAZ REDUC TECH / RISK RED	TRD TUH 1776 Complex Steelworkers	Lineal	1.06Inours
751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	18.00 Hours
Factors 18 Hours	1 1000 1000 1111 112000 120117 111011 1120	1.2.0,		
751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	18.00 Hours
Factors 18 Hours				
751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	1.08 Hours
Factors 1.08 Hours				
751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	9.00 Hours
Factors 9 Hours				
751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	1.08 Hours
Factors 1.08 Hours 751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	36.00 Hours
Factors 36 Hours	1 1000 ID&D HAZ REDUC TECH / RISK RED	RD10H 1/78 Comblex Steelworkers	Lilleal	
751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	18.00 Hours
Factors 18 Hours	1 1000 1000 11/12 112000 12011/11/01/11/20	THE TOTAL THE CONTROL CONTROL		10.001110410
751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	2.16 Hours
Factors 2.16 Hours				
751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	0.56 Hours
Factors 0.56 Hours				
A57 LATA	E110 QUALITY CONTROL ENGINEERS	K399S Building 776 Project	Linear	480.00 Dollars
Factors 480 Dollars				
A57 LATA	P070 COST ESTIMATORS PLANNERS AN	K399S Building 776 Project	Linear	2.544.00 Dollars
Factors 2544 Dollars	T ages NOVE	16000 D 111 770 D 1 1	1	0.000.00
A5C SUPPLIES	0000 NONE	K399S Building 776 Project	Linear	2.082.00 Dollars
Factors 2082 Dollars				

Line Item P01 - IWCP Implementation (Davis Bacon Covered)

BOE

Historical Data Source - The historical data is from the FY98 actual costs for technical support activity. These costs have been factored to the line item level based on FY99 line item to total technical support quotients. The detailed factoring spreadsheet can be found in B776/777 FY99 Project Summary Document - Rev 0.

Item Desc - IWCP Packages Davis Bacon Covered (each). It is expected that the MAA Closure will require at least five facility modification packages to change the MAA facility centerline, closing access to the tunnels and clkosing access to B707.

WBS No: Activity ID:	1DAC01 1DC0112000				Closure P				aseline Devl DAC	St	arts In FY	•
	751 OVERTIME BASE & PRE. Factors 80 Hours	G010 ADMINIS	STRATIVE ASSISTANT	S	K399S Buile	dina 776 Proied	ot		Linear		80.00 Hou	rs
	751 OVERTIME BASE & PRE.	M010 FOREME	N / TEAM LEADS / GF	ROUP	K399S Buile	dina 776 Proied	at		Linear		1.071.00 Hou	rs
	Factors 1071 hours OT	P030 BUYERS	DDOOLIDEMENT AND		KOOOO D.:I	-li 770 Di	-4		Linna		40.00	
	751 OVERTIME BASE & PRE. Factors 16 Hours	1 P030 IBUYERS	PROCUREMENT ANI Procurement Suppo		K3995 Bull	aina 776 Proied	ı		Linear		16.00 Hou	rs
	751 OVERTIME BASE & PRE.	P170 OTHER	ADMINISTRATIVE & P		C210S Faci	lities Mamt & N	Maintenance		Linear		40.00 Hou	rs
	Factors 40 hours per package	T050 RADIATI	ON CONTROL TECHA	101.101	VD4011 770	0			1:		40.00 Hou	
	751 OVERTIME BASE & PRE. Factors 40 Hours	_I 1050 IRADIATI	ON CONTROL TECHN	OLIGI	KD10H 1776	Complex Steel	workers		Linear		40.00IH0U	rs
	A5C SUPPLIES	0000 NONE			K399S Buile	dina 776 Proied	at		Linear		5.000.00 Dolla	ars
	Factors 5000 Dollars in supplies for each	h DB IWCP										
	S - Contingency And Escalation											
BOE					1							
Resources		 	Skill			Departi	nent		Curve	0		nits
	CON CONTINGENCY	0000 NONE			ZDEPT No I	Department			Linear		5.661.67 Dolla	ars
	Factors 5661.67 Dollars ESC ESCALATION	0000 NONE			ZDEPT No I	Denartment			Linear		3.668.80 Dolla	are
	Factors 3668.8 Dollars	I OOOO IINOINE			ZDLI I INO I	Department		l .	Lilleai	-	3.000.00ID0II	213
Activity ID:		NM Holdup Scans	T		ı			Cost Risk	2 Schedule R		1	
Line Item	n Description		Quantity Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	SNM Holdup Scans		250.00 each	HC	1	282	8.481		0	8.481	4.127	
SYS	Contingency And Escalation		1.00 ea	EE	0	0	0		81	81	0	
	0.1111111111111111111111111111111111111	Tot	al for Activity 1DP0002	J11:		282	8.481		81	8.562	4.127	12.689
BOE	SNM Holdup Scans Historical Data Source - The histor	rical data is i	the FV98 worknl	an T	he adiustme	nts are has	sed on activ	al costs i	n WAD35 for	scanning 8'	7 areas in	FV99
BOE	Item Desc - Perform safeguards measthat SNM holdup has been removed for	surements (high	and low gamma sca	ans) o	of 250 wall-					_		
Resources	Cost Element		Skill	-		Departi	nent		Curve	0		
	751 OVERTIME BASE & PRE.	P170 OTHER	L/1000			200000	TICHT.					nits
		TIV OTTEN	ADMINISTRATIVE & P	ROFE	S100S SSC	C Salaried			Linear		uantity Ui	<i>nits</i> rs
	Factors 1 Hours	1.5	ADMINISTRATIVE & P hrs. per scan team n		\$100S SSC 2	OC Salaried team cre	w					
	Factors 1 Hours 0.3 January 2000 Earned Value	1.5 ue Factor	hrs. per scan team n	nember	2	team cre			Linear 1.1519 Rati		1.04 Hou	rs
	Factors 1 Hours 0.3 January 2000 Earned Value 751 OVERTIME BASE & PRE.	1.5 ue Factor T050 RADIATI	hrs. per scan team n	nember NOLIGI	2 KD10H 776				Linear 1.1519 Rati Linear	o ST to OT	1.04 Hou 0.05 Hou	rsrs
	Factors 1 Hours 0.3 January 2000 Earned Val 751 OVERTIME BASE & PRE. Factors 0.1 10% of scanner time for our contents.	1.5 ue Factor T050 RADIATI vertime 1.5	hrs. per scan team n ON CONTROL TECHN hours per scan team	nember NOLIGI n membe	2 KD10H 776 er 1	team cre	workers		Linear 1.1519 Rati Linear 0.3 Janu		1.04 Hou 0.05 Hou ned Value Fact	rs rs or
	Factors 1 Hours 0.3 January 2000 Earned Val 751 OVERTIME BASE & PRE. Factors 0.1 10% of scanner time for or 751 OVERTIME BASE & PRE.	1.5 ue Factor T050 RADIATI vertime 1.5 T060 D&D HAZ	hrs. per scan team n	nember NOLIGI n membe	2 KD10H 776 er 1 KD10H 776	team cre Complex Steel Complex Steel	workers		Linear 1.1519 Rati Linear 0.3 Janu Linear	o ST to OT uarv 2000 Earr	1.04 Hou 0.05 Hou ned Value Fact 0.05 Hou	rs or rs
Line Item SYS	Factors 1 Hours 0.3 January 2000 Earned Val 751 OVERTIME BASE & PRE. Factors 0.1 10% of scanner time for our contents.	1.5 ue Factor T050 RADIATI vertime 1.5 T060 D&D HAZ	hrs. per scan team n ON CONTROL TECHN hours per scan team	nember NOLIGI n membe	2 KD10H 776 er 1	team cre	workers		Linear 1.1519 Rati Linear 0.3 Janu Linear	o ST to OT	1.04 Hou 0.05 Hou ned Value Fact 0.05 Hou	rs or rs
Line Item SYS BOE	Factors 1 Hours 0.3 January 2000 Earned Valuation 751 OVERTIME BASE & PRE. Factors 0.1 10% of scanner time for order 751 OVERTIME BASE & PRE. Factors 0.1 10% of scanners time for order	1.5 ue Factor T050 RADIATI vertime 1.5 T060 D&D HAZ	hrs. per scan team n ON CONTROL TECHN hours per scan team	nember NOLIGI n membe	2 KD10H 776 er 1 KD10H 776	team cre Complex Steel Complex Steel	workers		Linear 1.1519 Rati Linear 0.3 Janu Linear	o ST to OT uarv 2000 Earr	1.04 Hou 0.05 Hou ned Value Fact 0.05 Hou	rs or rs
	Factors 1 Hours 0.3 January 2000 Earned Vall 751 OVERTIME BASE & PRE. Factors 0.1 10% of scanner time for o 751 OVERTIME BASE & PRE. Factors 0.1 10% of scanners time for o'S - Contingency And Escalation	1.5 ue Factor T050 RADIATI vertime 1.5 T060 D&D HAZ	hrs. per scan team n ON CONTROL TECHN hours per scan team	nember NOLIGI n membe	2 KD10H 776 er 1 KD10H 776	team cre Complex Steel Complex Steel hours pe	workers workers r scan		Linear 1.1519 Rati Linear 0.3 Janu Linear	o ST to OT uary 2000 Earr uary 2000 Earr	1.04 Hou 0.05 Hou ned Value Fact 0.05 Hou ned Value Fact	rs or rs
BOE	Hours	1.5 ue Factor T050 RADIATI vertime 1.5 T060 D&D HAZ	hrs. per scan team n ON CONTROL TECHN hours per scan team Z REDUC TECH / RISH	nember NOLIGI n membe	2 KD10H 776 er 1 KD10H 776	Complex Steel Complex Steel hours pe	workers workers r scan		Linear 1.1519 Rati Linear 0.3 Janu Linear 0.3 Janu 0.3 Janu	o ST to OT uary 2000 Earr uary 2000 Earr	1.04 Hou 0.05 Hou ned Value Fact 0.05 Hou ned Value Fact	rs or rs or rs or
BOE	Factors	1.5 ue Factor	hrs. per scan team n ON CONTROL TECHN hours per scan team Z REDUC TECH / RISH	nember NOLIGI n membe	2 KD10H 776 er 1 KD10H 776. 1.5	team cre Complex Steel Complex Steel hours pe	workers workers r scan		Linear 1.1519 Rati Linear 0.3 Janu Linear 0.3 Janu Curve Linear	o ST to OT uary 2000 Earr uary 2000 Earr	1.04 Hou 0.05 Hou ned Value Fact 0.05 Hou ned Value Fact 47.70 Doll	rs or
BOE	Factors	1.5 ue Factor T050 RADIATI vertime 1.5 T060 D&D HA	hrs. per scan team n ON CONTROL TECHN hours per scan team Z REDUC TECH / RISH	nember NOLIGI n membe	2 KD10H 776 er 1 KD10H 776 1.5	team cre Complex Steel Complex Steel hours pe	workers workers r scan		Linear 1.1519 Rati Linear 0.3 Janu Linear 0.3 Janu Curve	o ST to OT uary 2000 Earr uary 2000 Earr	1.04 Hou 0.05 Hou 1.04 Hou 0.05 Hou 1.04 Hou 1.05 Hou 1.06 Hou 1.07 Hou 1.08 Hou 1.08 Hou 1.09 H	rs or
BOE	Factors	1.5 UE Factor	hrs. per scan team n ON CONTROL TECHN hours per scan team Z REDUC TECH / RISH	nember NOLIGI n membe	2 KD10H 776 er 1 KD10H 776. 1.5	team cre Complex Steel Complex Steel hours pe	workers workers r scan	Cost Risk	Linear 1.1519 Rati Linear 0.3 Janu Linear 0.3 Janu Curve Linear	o ST to OT uary 2000 Earr uary 2000 Earr	1.04 Hou 0.05 Hou ned Value Fact 0.05 Hou ned Value Fact 47.70 Doll	rs or
BOE Resources	Factors	1.5 UE Factor	hrs. per scan team n ON CONTROL TECHN hours per scan team Z REDUC TECH / RISH	NOLIGI n member K RED	ZDEPT No I	Complex Steel Complex Steel hours pe Department Department Labor Hours	workers r scan nent Labor Cost	Materials/ Sul	Linear 1.1519 Rati Linear 0.3 Janu Linear 0.3 Janu Curve Linear Linear 2 Schedule R Contingency	o ST to OT uary 2000 Earr uary 2000 Earr O Risk 3 Total Prime	1.04 Hou 0.05 Hou ned Value Fact 0.05 Hou ned Value Fact 47.70 Doll	rs or
Resources Activity ID: Line Item	Factors	1.5 UE Factor	hrs. per scan team in ON CONTROL TECHN hours per scan team z REDUC TECH / RISh Skill Cution Activities Quantity Units	NOLIGI n member K RED	ZDEPT No I Labor Hours/Unit	Complex Steel Complex Steel hours pe Department Department Labor Hours Total	workers workers r scan nent Labor Cost Total	Materials/ Sul Cost	Linear 1.1519 Rati Linear 0.3 Janu Linear 0.3 Janu Curve Linear 2 Schedule R Contingency & Escalation	o ST to OT uary 2000 Earr uary 2000 Earr O Risk 3 Total Prime Cost	1.04 Hou 0.05 Hou ned Value Fact 0.05 Hou ned Value Fact 47.70 Doll 33.63 Doll Burden Cost	rs or
BOE Resources	Factors	1.5 ue Factor 1050 RADIATI vertime 1.5 1060 D&D HAZ Process 0000 NONE 0000 NONE	hrs. per scan team n ON CONTROL TECHN hours per scan team Z REDUC TECH / RISH	NOLIGI n member K RED BOE Type HC	ZDEPT No I	Complex Steel Complex Steel hours pe Department Department Labor Hours	workers r scan nent Labor Cost	Materials/ Sul	Linear 1.1519 Rati Linear 0.3 Janu Linear 0.3 Janu Curve Linear Linear 2 Schedule R Contingency & Escalation 5 0	o ST to OT uary 2000 Earr uary 2000 Earr O Risk 3 Total Prime Cost 23.974	1.04 Hou 0.05 Hou 1.04 Hou 1.04 Hou 1.05 Hou 1.05 Hou 1.05 Hou 1.05 Hou 1.05 Hou 1.06 Value Fact 1.04 Hou 1.04 Hou	rs or

WBS No: 1DAC01Activity ID: 1DP0102010

Rockv Flats Closure Project Baseline Cost and Basis of Estimate

Proiect Baseline Devl WBS Filter 1DAC Activity Filter *

Starts In FY *

Line Item C01 - Modification Packages

BOE

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Item Desc - Repairs to VSS/Non-VSS systems that cannot be accomplished using a standard work package (SWP). This work requires engineering review example: Work requiring breech of Zone 1 containment. (each)

Resources

s	Cost Element	Skill		Department	Curve	Ouantity Units
751 OVE	RTIME BASE & PRE.	C020 ELECTRICIANS	C211S	Electrical Maintenance	Linear	26.64 Hours
Factors 36	Hours	0.74 January 2000 Earned Value	e Factor			
751 OVE	RTIME BASE & PRE.	C020 ELECTRICIANS	C211S	Electrical Maintenance	Linear	1.60 Hours
Factors 2.1	16 Hours	0.74 January 2000 Earned Value				
751 OVE	RTIME BASE & PRE.	E050 ENVIRONMENTAL ENGINEERS	K399S	Buildina 776 Proiect	Linear	0.37 Hours
Factors 0.5		0.74 January 2000 Earned Value				
751 OVE	RTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP		Buildina 776 Proiect	Linear	3.70 Hours
Factors 5	Hours	0.74 January 2000 Earned Value				
	RTIME BASE & PRE.	P030 BUYERS PROCUREMENT AND CON		Facilities Momt & Maintenance	Linear	4.44 Hours
Factors 6	Hours	0.74 January 2000 Earned Value				
	RTIME BASE & PRE.	P030 BUYERS PROCUREMENT AND CON		Facilities Momt & Maintenance	Linear	0.27 Hours
Factors 0.3		0.74 January 2000 Earned Value				
	RTIME BASE & PRE.	P170 OTHER ADMINISTRATIVE & PROFE		Facilities Mamt & Maintenance	Linear	1.48 Hours
Factors 2	Hours	0.74 January 2000 Earned Value				2 2011
	RTIME BASE & PRE.	P170 OTHER ADMINISTRATIVE & PROFE		Facilities Mgmt & Maintenance	Linear	0.09 Hours
Factors 0.1		0.74 January 2000 Earned Value		770 0 1 0: 1 1		0.00
	RTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI		776 Complex Steelworkers	Linear	9.28 Hours
	.539 Hours - Conversion to OT	0.74 January 2000 Earned Value T050 RADIATION CONTROL TECHNOLIGI		770 0 04	Linna	1.78 Hours
	RTIME BASE & PRE.			776 Complex Steelworkers	Linear	1./8JHours
751 OVER	1 Hours RTIME BASE & PRE.	0.74 January 2000 Earned Value T060 D&D HAZ REDUC TECH / RISK RED		776 Compley Steelwarkers	Linear	13.32 Hours
		0.74 January 2000 Earned Value		776 Complex Steelworkers	Linear	13.32 HOUIS
	RTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED		776 Compley Stockwarkers	Linear	0.80 Hours
Factors 1.0		0.74 January 2000 Earned Value		776 Complex Steelworkers	Linear	0.80JH00IS
	RTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED		776 Complex Stockwarkers	Linear	6.66 Hours
Factors 9	Hours	0.74 January 2000 Earned Value		1770 Comblex Steelworkers	Lilleai	0.001110015
	RTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED		776 Complex Steelworkers	Linear	0.80 Hours
Factors 1.0		0.74 January 2000 Earned Value		17 0 Comblex Steelworkers	Lilicai	U.OUI IOUIS
	RTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED		776 Complex Steelworkers	Linear	26.64 Hours
Factors 36		0.74 January 2000 Earned Value		TTO COMBIEN CICCIWOTICIS	Lincai	20.041110413
	RTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED		776 Complex Steelworkers	Linear	13.32 Hours
Factors 18		0.74 January 2000 Earned Value		TO COMPONE	Linoui	10.021110410
	RTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED		776 Complex Steelworkers	Linear	1.60 Hours
Factors 2.1		0.74 January 2000 Earned Value				
	RTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED		776 Complex Steelworkers	Linear	0.41 Hours
Factors 0.5	56 Hours	0.74 January 2000 Earned Value	e Factor			
	RTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED		776 Complex Steelworkers	Linear	13.32 Hours
Factors 18	Hours	0.74 January 2000 Earned Value	e Factor	,		
751 OVE	RTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	0.80 Hours
Factors 1.0		0.74 January 2000 Earned Value				
A57 LATA		E110 QUALITY CONTROL ENGINEERS	K399S	Building 776 Project	Linear	355.20 Dollars
Factors 48	0 Dollars			0.74 January 2000 Earned Value Factor		
A57 LATA		P070 COST ESTIMATORS PLANNERS AN	K399S		Linear	1,882.56 Dollars
Factors 25	44 Dollars		T	0.74 January 2000 Earned Value Factor		
A5C SUPF	PLIES	0000 NONE	K399S	Building 776 Project	Linear	1,540.68 Dollars
Factors 20	82 Dollars			0.74 January 2000 Earned Value Factor		

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Proiect Baseline Devl WBS Filter 1DAC Activity Filter *

Starts In FY

Line Item P01 - IWCP Implementation (Davis Bacon Covered)

1DAC01

1DP0102010

BOE

WBS No:

Activity ID:

Historical Data Source - The historical data is from the FY98 actual costs for technical support activity. These costs have been factored to the line item level based on FY99 line item to total technical support quotients. The detailed factoring spreadsheet can be found in B776/777 FY99 Project Summary Document - Rev 0.

Item Desc - IWCP Packages Davis Bacon Covered (each). It is expected that the MAA Closure will require at least five facility modification packages to change the MAA facility centerline, closing access to the tunnels and clkosing access to B707.

Resources

s	Cost Element		Skill		Department	Curve	Ouantity Units
751	OVERTIME BASE & PRE.	G010	ADMINISTRATIVE ASSISTANTS	K399S	Building 776 Project	Linear	59.20 Hours
Factors	80 Hours		0.74 January 2000 Earned Value	Factor			
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	K399S	Building 776 Project	Linear	792.54 Hours
Factors	1071 hours OT				0.74 January 2000 Earned Value Factor		
751	OVERTIME BASE & PRE.	P030	BUYERS PROCUREMENT AND CON	K399S	Building 776 Project	Linear	11.84 Hours
Factors	16 Hours		1 Procurement Support		0.74 January 2000 Earned Value Factor		
751	OVERTIME BASE & PRE.	P170	OTHER ADMINISTRATIVE & PROFE	C210S	Facilities Mgmt & Maintenance	Linear	29.60 Hours
Factors	40 hours per package		0.74 January 2000 Earned Value	Factor			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	29.60 Hours
Factors	40 Hours		0.74 January 2000 Earned Value	Factor			
A5C	SUPPLIES	0000	NONE	K399S	Building 776 Project	Linear	3.700.00 Dollars

5000 Dollars in supplies for each DB IWCP

0.74 January 2000 Earned Value Factor

WBS No: 1DAC	<u>12 Title: B776/777 Deactivation</u>											
Activity ID: 1DH	Description: Drain 5 hot and 2 cold Ancill	lary Piping S	vstems					Cost Risk	2 Schedule R	isk 3		
Line Item	Description	Quantity	Units	BOE	Labor	Labor Hours	Labor Cost	Materials/ Sub	Contingency	Total Prime	Burden Cost	Total Cost
				Type	Hours/Unit	Total	Total	Cost	& Escalation	Cost		
5HD500	Drain Ancillary Piping Systems	7.00	each	EE	170	1,190	32,701	44,492	0	77,193	15,958	93,151
TTANKS	Drain Remaining Process Tanks	1.00	each	EE	1,800	1,800	43,456	0	0	43,456	21,206	64,662
Total for Activity 1DHD500D11:					2,990	76,157	44,492	0	120,649	37,165	157,813	

Line Item 5HD500 - Drain Ancillary Piping Systems

BOE

Estimators Experience - Estimators experience based on past IWCP's with similar work characteristics.

Experience Item Desc - Drain oils and solutions from ancillary piping associated with 19 low-level oil systems: The Isostatic Press, two FBI hydraulic tanks, two supercompactor hydraulic tanks, two fluid-bed incinerator pilot hydraulic tanks, two room 459A oil reservoirs, GB 602 blanking press, briquetting press, machine coolant supply, T-base lathes hydraulic controllers and the Excello lathe hydraulic reservoirs, a square tank with raschig rings and its ancillary equipment, Glovebox 494/495 hydraulic system, process cooling system, glovebox chill water system, and process cooling & hot water system.

Resources

S Cost Element	Skill	Department	Curve	Ouantity Units
750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KD10H 776 Complex Steelworkers	Back Loaded	15.00 Hours
Factors 0.5 Straight time	30 hours per system			
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GRO	UP R100S RMRS Salaried	Back Loaded	10.00 Hours
Factors 0.5 Hours ST		20 hours per system		, , , , , , , , , , , , , , , , , , , ,
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOL	LIGI KD10H 776 Complex Steelworkers	Linear	20.00 Hours
Factors 0.5 Straight time		40 hours per system		
750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK R	RED KD10H 776 Complex Steelworkers	Back Loaded	40.00 Hours
Factors 0.5 Straight Time		80 hours per system	1	
751 OVERTIME BASE & PRE.	C020 ELECTRICIANS	KD10H 776 Complex Steelworkers	Linear	15.00 Hours
Factors 1 Hours	30 hours per system	0.5 1/2 time on OT		
751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GRO	UP R100S RMRS Salaried	Linear	10.00 Hours
Factors 1 Hours	20 hours per system	0.5 1/2 time on OT		
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOL	LIGI KD10H 776 Complex Steelworkers	Linear	20.00lHours
Factors 1 Hours	40 hours per system	0.5 1/2 time on OT		
751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK R	RED KD10H 776 Complex Steelworkers	Linear	40.00lHours
Factors 80 hours per system		0.5 1/2 time on OT		
A5C SUPPLIES	0000 NONE	K399S Building 776 Project	Linear	4.000.00 Dollars
Factors 1 Dollars	4000 dollars per system for s	supplies		

WBS No: 1DAC02 Baseline Devl Proiect Rocky Flats Closure Project Activity ID: 1DHD500D11 WBS Filter 1DAC **Baseline Cost and Basis of Estimate** Activity Filter Starts In FY A5H SUBCONTRACTED SRVS E110 QUALITY CONTROL ENGINEERS K399S Building 776 Project 456.00 Dollars Back Loaded Factors dollars/hour RMRS Corporate hours (quality) per system 0.95 January 2000 Earned Value Factor A5<u>H</u> TECHNICAL WRITERS AND EDITOR | K399S | Building 776 Project 1.900.00 Dollars SUBCONTRACTED SRVS P160 Back Loaded hours (planning) RMRS Corporate dollars/hour Factors 0.95 January 2000 Earned Value Factor Line Item TTANKS - Drain Remaining Process Tanks Estimators Experience - Estimators experience based on past IWCP's with similar work characteristics. BOE Experience Item Desc - Drain oils and solutions from ancillary piping associated with 19 low-level oil systems: The Isostatic Press, two FBI hydraulic tanks, two supercompactor hydraulic tanks, two fluid-bed incinerator pilot hydraulic tanks, two room 459A oil reservoirs, GB 602 blanking press, briquetting press, machine coolant supply, T-base lathes hydraulic controllers and the Excello lathe hydraulic reservoirs, a square tank with raschig rings and its ancillary equipment, Glovebox 494/495 hydraulic system, process cooling system, glovebox chill water system, and process cooling & hot water system. Units Resources Cost Element Department 750 STRAIGHT TIME BASE M010 FOREMEN / TEAM LEADS / GROUP R100S RMRS Salaried Linear 135.00 Hours Foreman hours ST per day 750 STRAIGHT TIME BASE RADIATION CONTROL TECHNOLIGI KD10H 776 Complex Steelworkers Linear 135.00 Hours **RCTs** davs hours St per day Factors 750 STRAIGHT TIME BASE D&D HAZ REDUC TECH / RISK RED KD10H 776 Complex Steelworkers Linear 1.080.00 Hours D&D workers hours ST per day 8 15 davs

hours OT per day Factors Foreman 15 davs 751 OVERTIME BASE & PRE T050 RADIATION CONTROL TECHNOLIGI KD10H 776 Complex Steelworkers Linear 45.00 Hours 1 RCTs davs hours OT per day T060 D&D HAZ REDUC TECH / RISK RED 360.00 Hours 751 OVERTIME BASE & PRE KD10H 776 Complex Steelworkers Linear

R100S RMRS Salaried

15 Factors D&D workers hours OT per day Activity ID: 1DHD500T05

Description: FY-00 Drain SRV Tanks (SR3, 4 & 5)

BOELabor Labor Hours Labor Cost Materials/ Sub Contingency Total Prime Burden Cost Total Cost Line Item Description **Ouantity** Units Type Hours/Unit Total Total Cost & Escalation Cost _EF SRVTANK1 Drain SRV Tanks 3.960 3.960 95.503 95.503 1.00 each 46.605 142.108 Total for Activity 1DHD500T05: 3.960 95.503 0 0 95.503 46.605 142.108

Line Item SRVTANK1 - Drain SRV Tanks

Factors

751 OVERTIME BASE & PRE

BOE

Estimators Experience - Estimators experience based on past IWCP's with similar work characteristics.

M010 FOREMEN / TEAM LEADS / GROUP

Experience Item Desc - Drain oils and solutions from ancillary piping associated with 19 low-level oil systems: The Isostatic Press, two FBI hydraulic tanks, two supercompactor hydraulic tanks, two fluid-bed incinerator pilot hydraulic tanks, two room 459A oil reservoirs, GB 602 blanking press, briquetting press, machine coolant supply, T-base lathes hydraulic controllers and the Excello lathe hydraulic reservoirs, a square tank with raschig rings and its ancillary equipment, Glovebox 494/495 hydraulic system, process cooling system, glovebox chill water system, and process cooling & hot water system.

Resources

es	Cost Element	Skill	Department	Curve	Quantity Units
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	R100S RMRS Salaried	Linear	270.00 Hours
Factors	1 Foreman	30 days	9 hours ST per day		
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	540.00 Hours
Factors	2 RCTs	30 davs	9 hours St per dav		
750	STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	2.160.00 Hours
Factors	8 D&D workers	30 davs	9 hours ST per day		
751	OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	R100S RMRS Salaried	Linear	90.00 Hours
Factors	1 Foreman	30 davs	3 hours OT per day		
751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	180.00 Hours
Factors	2 RCTs	30 davs	3 hours OT per day		
751	OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	720.00 Hours
Factors	8 D&D workers	30 days	3 hours OT per day		

Activity ID: 1DHD500T10 Description: Drn Tks T360.T370.T344 & T345 to RCRA Stable 2 Schedule Risk Cost Risk

Line Item	Description	Quantity	Units	BOE	Labor	Labor Hours	Labor Cost	Materials/ Sub	Contingency	Total Prime	Burden Cost	Total Cost
				Type	Hours/Unit	Total	Total	Cost	& Escalation	Cost		
TTANKS	Drain Remaining Process Tanks	1.00	each	EE	1.980	1.980	47.751	0	0	47.751	23.303	71.054

Linear

2 Schedule Risk

Cost Risk

45.00 Hours

WBS No: 1DAC02Activity ID: 1DHD500T10

Rockv Flats Closure Project Baseline Cost and Basis of Estimate

Proiect WBS Filter Baseline Devl 1DAC

 Baseline Cost and Basis of Estimate

 Activity Filter
 *
 Starts In FY
 *

 Total for Activity 1DHD500T10:
 1.980
 47.751
 0
 0
 47.751
 23.303
 71.054

Line Item TTANKS - Drain Remaining Process Tanks

BOE

Estimators Experience - Estimators experience based on past IWCP's with similar work characteristics.

Experience Item Desc - Drain oils and solutions from ancillary piping associated with 19 low-level oil systems: The Isostatic Press, two FBI hydraulic tanks, two supercompactor hydraulic tanks, two fluid-bed incinerator pilot hydraulic tanks, two room 459A oil reservoirs, GB 602 blanking press, briquetting press, machine coolant supply, T-base lathes hydraulic controllers and the Excello lathe hydraulic reservoirs, a square tank with raschig rings and its ancillary equipment, Glovebox 494/495 hydraulic system, process cooling system, glovebox chill water system, and process cooling & hot water system.

Resources

es		Cost Element		Skill			Department		Curve	Ouantity	Units
	750 STR	RAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS S	Salaried		Linear	135.00	Hours
	Factors 1	Foreman		15 davs		9	hours ST per dav				,
	750 STR	RAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Con	nplex Steelworkers		Linear	270.00	Hours
ı	Factors 2	RCTs		15 davs		9	hours St per dav				ſ
	750 STR	RAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Con	mplex Steelworkers		Linear	1.080.00	Hours
	Factors 8	D&D workers		15 davs		9	hours ST per dav	1			
	751 OVE	RTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS S	Salaried		Linear	45.00	Hours
	Factors 1	Foreman		15 davs		3	hours OT per dav				
	751 OVE	RTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Cor	nplex Steelworkers		Linear	90.00	Hours
	Factors 2	RCTs		15 davs		3	hours OT per dav				
	751 OVE	RTIME BASE & PRE.	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Con	mplex Steelworkers		Linear	360.00	Hours
	Factors 8	D&D workers		15 days		3	hours OT per day				

Activity ID: 1DHD599R20 Description: FY-00 Remove Sources from Rooms

Cost Risk 2 Schedule Risk

ACCIVITY ID. IDII	Description. 11 contention courses from	Cost Risk Z Schedule Risk										
Line Item	Description		Units	BOE	Labor	Labor Hours	Labor Cost	Materials/ Sub	Contingency	Total Prime	Burden Cost	Total Cost
				Type	Hours/Unit	Total	Total	Cost	& Escalation	Cost		
5HD500R20	Source Removal of Rooms	1.00	each	EE	729	729	15.541	40.000	0	55.541	7.562	63.104
Room Deact	Room Deactivation Activities	41.00	con	EE	131	5.371	110.345	0	0	110.345	53.693	164.038
SYS	Contingency And Escalation	1.00	ea EE	EE	0	0	. 0	0	1.467	1.467	0	1.467
	6.100	125.886	40.000	1.467	167.353	61.256	228.608					

Line Item 5HD500R20 - Source Removal of Rooms

BOE

Estimators Experience
Experience Item Desc - This activity will remove the unused radioactive sources from the rooms. The majority of these sources are still contained in the combo monitors that have been taken out of service. It is estimated that 1,500 sources will be removed. This activity does not include removal of sources from the equipment that is still operational (i.e. SAAMs and CAAMs)

Resources

es		Cost Element	Skill			Department	Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	81.00	Hours
	Factors	1 foreman		9 davs		9 hours per day ST			
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIG	KD10H	776 Complex Steelworkers	Linear	162.00	Hours
	Factors	2 RCTs		9 hours per day ST		9 davs			
	750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	486.00	Hours
	Factors	6 Process Specialist		9 hours per day ST		9 davs			
	A5H	SUBCONTRACTED SRVS	0000	NONE	K399S	Building 776 Project	Linear	40.000.00	Dollars
	Factors	40000 dollars for J.L. Shepard con	tract to						

Line Item Room Deact - Room Deactivation Activities

BOE

Estimators Experience - Costs are based on the assumed level of remaining items requiring removal from B776/777 under phase I decommissioning (non-IWCP driven decommissioning work). The basis was derived from the cost estimating workshop at Jeffco Airport in May, 1998.

Experience Item Desc - Perform phase I decommissioning work that is not driven by the IWCP process. Examples include removal of all equipment/property that isn't physically attached or permanently installed, removal of all miscellaneous and combustible items. After Phase I decommissioning is complete, the only items that will remain are those that are bolted, welded, hard-wired or otherwise permanently installed and require an IWCP package for completion.

Resources

ces	Cost Element				Skill		Department	Curve	Ouantity Units
	750	STRAIGH	T TIME BASE	C020	ELECTRICIANS	KD10H	776 Complex Steelworkers	Linear	5.00 Hours
_	Factors	5	Straight time hours		1 container per 2 days				
	750	STRAIGH	T TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	18.00 Hours
_	Factors	18	Straight time hours		1 container per 2 days		1 RCT		

WBS No: 1DAC02 Rockv Flats Closure Project Project Baseline Devl
Activity ID: 1DHD599R20 Baseline Cost and Basis of Estimate UNBS Filter 1DAC

Too STRAIGHT TIME BASE Too D&D HAZ REDUC TECH / RISK RED KD10H 776 Complex Steelworkers Linear 108.00 Hours

Factors 18 Straight Time hours 1 container per 2 days 6 D&D Workers

Line Item SYS - Contingency And Escalation

BOE

Resources

es	Cost Element		Skill		Department		Curve	Quantity	Units
	CON	CON CONTINGENCY 0000		NONE	ZDEPT No Department		Linear	860.35 Dollars	
F	actors	860.351 Dollars							
	ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	606.50	Dollars

Factors 606.495 Dollars

Report Totals:

Report	Totals.						
Labor	Hours	Labor Cost	Materials/ Sub	Contingency	Total Prime	Burden Cost	Total Cost
Tc	otal	Total	Cost	& Escalation	Cost		
	23.342	623,690	149.881	12,409	785.979	302.867	1.088.846

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